

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1 1. (Currently Amended) A method of performing wireless communications,
2 comprising:
3 communicating bearer traffic for a packet-switched communications session
4 between a mobile station and a first base station associated with a first type of wireless system;
5 determining if handoff is required from the first base station to a second base
6 station associated with a second, different type of wireless system; and
7 ~~exchanging messages between the first and second base stations to perform the~~
8 ~~handoff~~ in response to determining that the handoff is required, sending a message from the first
9 base station to the second base station, the message indicating to the second base station that
10 handoff is required.

1 2. (Cancelled)

1 3. (Original) The method of claim 1, wherein the first base station comprises an IS-
2 2000 base station, and wherein communicating the bearer traffic comprises communicating the
3 bearer traffic between the mobile station and the IS-2000 base station.

1 4. (Original) The method of claim 3, wherein determining if handoff is required
2 from the first base station to the second base station comprises determining if handoff is required
3 from the IS-2000 base station to a 1xEV access network.

1 5. (Original) The method of claim 3, wherein determining if handoff is required
2 from the first base station to the second base station comprises determining if handoff is required
3 from the IS-2000 base station to a High Data Rate (HDR) access network.

1 6. (Original) The method of claim 1, wherein the first base station comprises a High
2 Data Rate access network, and wherein communicating the bearer traffic comprises
3 communicating the bearer traffic between the mobile station and the High Data Rate access
4 network.

1 7. (Original) The method of claim 6, wherein determining if handoff is required
2 from the first base station to the second base station comprises determining if handoff is required
3 from the High Data Rate access network to an IS-2000 base station.

1 8. (Original) The method of claim 1, wherein the first base station comprises a
2 1xEV access network, and wherein communicating the bearer traffic comprises communicating
3 the bearer traffic between the mobile station and the 1xEV access network.

1 9. (Original) The method of claim 8, wherein determining if handoff is required
2 from the first base station to the second base station comprises determining if handoff is required
3 from the 1xEV access network to an IS-2000 base station.

1 10. – 11. (Cancelled)

1 12. (Currently Amended) The method of claim [[11]] 1, ~~wherein exchanging the~~
2 ~~messages further comprises~~ comprising sending another message from the second base station to
3 the first base station to initiate a handoff procedure.

1 13. (Currently Amended) The method of claim 12, ~~wherein exchanging the messages~~
2 ~~further comprises~~ comprising sending a further message from the first base station to the second
3 base station to indicate that the mobile station has been directed to hand off to the second base
4 station.

1 14. (Currently Amended) The method of claim 1, wherein ~~exchanging~~ sending the
2 ~~messages~~ message comprises ~~exchanging~~ sending the ~~messages~~ message over a link between the
3 first base station and the second base station.

1 15. (Currently Amended) The method of claim 1, ~~wherein performing the handoff~~
2 ~~comprises~~ further comprising performing a hard handoff between the first base station and the
3 second base station.

1 16. (Original) An apparatus associated with a first base station system that performs
2 wireless communications according to a first protocol, the apparatus comprising:
3 an interface to a second base station system that performs wireless
4 communications according to a second, different protocol; and
5 a controller adapted to communicate bearer traffic for a packet-switched
6 communications session with a mobile station,
7 the controller adapted to further exchange messaging with the second base station
8 system through the interface to perform a handoff of the packet-switched communications
9 session from the first base station system to the second base station system.

1 17. (Original) The apparatus of claim 16, wherein the controller is adapted to
2 perform the handoff by performing a hard handoff.

1 18. (Original) The apparatus of claim 16, wherein the controller is adapted to
2 communicate bearer traffic according to IS-2000 format with the mobile station.

1 19. (Original) The apparatus of claim 18, wherein the second base station system
2 comprises a High Data Rate base station, and wherein the controller is adapted to exchange the
3 messaging with the High Data Rate base station.

1 20. (Original) The apparatus of claim 18, wherein the second base station system
2 comprises a 1xEV base station, and wherein the controller is adapted to exchange the messaging
3 with the 1xEV base station.

1 21. (Currently Amended) The apparatus of claim 16, wherein the controller is
2 adapted to exchange the messaging by sending a message indicating that a handoff is required to
3 the second base station system through the interface.

1 22. (Original) The apparatus of claim 21, wherein the controller is adapted to
2 exchange the messaging by receiving a message initiating the handoff procedure.

1 23. (Original) The apparatus of claim 22, wherein the controller is adapted to send a
2 further message from the first base station system to the second base station system to indicate
3 that the mobile station has been directed to hand off to the second base station system.

1 24. (Original) An article comprising at least one storage medium containing
2 instructions that when executed cause a first base station system to:
3 exchange signaling according to a first protocol with a mobile station to establish
4 a packet-switched communications session between the mobile station and another endpoint;
5 determine if a handoff is required to a second base station system that performs
6 wireless communications according to a second, different protocol; and
7 exchange messaging with the second base station system through a link between
8 the first and second base station systems to perform the handoff.

1 25. (Original) The article of claim 24, wherein the first base station comprises an IS-
2 2000 base station, and wherein the instructions when executed cause the first base station system
3 to exchange IS-2000 signaling with the mobile station.

1 26. (Original) The article of claim 25, wherein the instructions when executed cause
2 the first base station system to determine if handoff is required by determining if handoff is
3 required from the IS-2000 base station to one of a 1xEV access network and a High Data Rate
4 (HDR) access network.

1 27. (Original) The article of claim 24, wherein the first base station comprises one of
2 a High Data Rate (HDR) access network and a 1xEV access network, and wherein the
3 instructions when executed cause the first base station system to exchange one of High Data Rate
4 (HDR) signaling and 1xEV signaling with the mobile station.

1 28. (Original) The article of claim 27, wherein the instructions when executed cause
2 the first base station system to determine if handoff is required by determining if handoff is
3 required from the one of a High Data Rate (HDR) access network and 1xEV access network to a
4 IS-2000 base station.

1 29. (Currently Amended) The article of claim 24, wherein the instructions when
2 executed cause the first base station system to exchange the messaging by sending a message to
3 the second base station system indicating that a handoff is required.